



Module(Course Syllabus)Catalogue 2022-2023

College/ Institute	Shaqalawa technical college		
Department	Veterinary		
Module Name	Infectious Diseases II		
Module Code			
Semester	Sixth semester		
Credits			
Module type	Prerequisite <input type="checkbox"/>	Core <input type="checkbox"/>	Assis <input type="checkbox"/>
Weekly hours			
Weekly hours (Theory)	2		
Weekly hours (Practical)	3		
Lecturer (Theory)	Nawal Kamal Shokry		
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Lecturer (Practical)	Raman Sleam Abdulla		
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Course Book

Course Description	<p>The veterinary infectious and zoonotic diseases cover disease transmission, prevention and treatments. Course topics include bacterial, viral, parasitic, protozoal and fungal infections, food-borne diseases, disease transfer, vectors, antibiotic indications and resistance and other hazards of importance in veterinary related to cattle, sheep and goats and public health. Besides, some specific diseases of equine and pet animals (Dog and Cat), are also covered.</p>
Course objectives	<ol style="list-style-type: none"> 1. Review and evaluate the major food-borne pathogens of humans and the animals from which they come. 2. Critically review how other pathogenic microorganisms derived from animals may cause infection in man. 3. Critically evaluate modes of transmission and outbreak potential of these pathogens. 4. Review the use of antimicrobials in veterinary public health. 5. Critically evaluate the role of the laboratory in Veterinary public health 6. Critically discuss key topics with reference to the scientific literature.
Student's obligation	<ol style="list-style-type: none"> 1-The student attention in all theoretical and practical lectures in academic year. 2-Completion of all tests. 3-Attendance in exams. 4-Write or prepare reports.
Required Learning Materials	<ol style="list-style-type: none"> 1. Daily preparation for a lecture 2. Giving students an opportunity to participate by giving seminars

	<p>about the topics</p> <p>3. Make quizzes before the lecture for the purpose of testing the extent of acceptance</p> <p>lecture halls with data show equipment for lecture presentations, white board, overhead projector, posters</p>	
Assessment scheme	<p>16% Mid Term (Theory and practical)</p> <p>4% Quiz</p> <p>40% Assignment (report, paper, homework, seminar..)</p> <p>25% final practical</p> <p>15% final theory</p>	
Specific learning outcome:	<p>1- Video and Reports for each lesson in lecture and lab as well</p> <p>2- Seminar</p> <p>3-Quiz</p> <p>To provide students with knowledge about routes of distribution of the zoonotic diseases among animal population and public health and how to take the important steps to contain or eradicate those diseases among animals and prevent human exposure to these hazards, and of some means to mitigate exposure.</p>	
Course References:	<p>https://www.worldcat.org</p> <p>https://www.vet.cornell.edu</p> <p>1- Mobo BHP, Rabinowitz PM, Conti LA, et al. Occupational health of animal workers. In: Rabinowitz PM, Conti LA, eds. Human-Animal Medicine: Clinical Approaches to Zoonoses, Toxicants and Other Shared Health Risks. Maryland Heights (MD): Saunders; 2009</p> <p>2- Nobivac® Lepto4 [product label], Madison, NJ: Merck Animal Health; 2018.</p> <p>3- RECOMBITEK® 4 Lepto [product label]. Duluth, GA: Boehringer Ingelheim Animal Health; 2017.</p>	
Course topics (Theory)	Week	Learning outcome
Etiology, Epidimology, pathogenesis and clinical signs of Black leg and Braxy	1	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of listeriosis and Leptospirosis	2	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Johne's Disease (Paratuberculosis) and Tuberculosis	3	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Pasteurelosis and septicemic Hemorrhage	4	Ppt and seminar

Etiology, Epidimology, pathogenesis and clinical signs of Malignant Edema and Tetanus	5	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Contagious Bovine Pleuropneumonia and Contagious caprinepleuropneumonia	6	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Blue Tongue and Orf disease	7	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Infectious mastitis	8	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Strangles	9	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Glanders And Canine Infectious Respiratory Disease	10	Ppt and seminar
Etiology, Epidimology, pathogenesis and clinical signs of Bovine ephemeral fever or 3Days Sickness	11	Ppt and seminar
Practical Topics	Week	Learning Outcome
gross lesions, diagnosis, treatment and control & prevention Black leg and Braxy	1	Ppt & video
gross lesions, diagnosis, treatment and control & prevention listeriosis and Leptospirosis	2	Ppt and Technique
gross lesions, diagnosis, treatment and control & prevention Johne's Disease (Paratuberculosis) and Tuberculosis	3	Ppt and Inspection of birds
gross lesions, diagnosis, treatment and control & prevention Pasteurelosis and septicemic Hemorrhage	4	Introduce to farm management
gross lesions, diagnosis, treatment and control & prevention Malignant	5	Ppt and Applied

Edema and Tetanus		collection of sample
gross lesions, diagnosis, treatment and control & prevention Contagious Bovine Pleuropneumonia and Contagious caprinepleuropneumonia	6	Ppt and Applied collection of blood
gross lesions, diagnosis, treatment and control & prevention Blue Tongue and Orf disease	7	Ppt and picture - video
gross lesions, diagnosis, treatment and control & prevention Infectious mastitis	8	Introduction of veterinary college
gross lesions, diagnosis, treatment and control & prevention Strangles	9	Ppt and Show the drugs
gross lesions, diagnosis, treatment and control & prevention Glanders And Canine Infectious Respiratory Disease	10	Ppt and Video picture
gross lesions, diagnosis, treatment and control & prevention Bovine ephemeral fever or 3Days Sickness	11	
External Evaluator		

